

ABSTRACT

[Abstract]

[Problems] To provide an alloy-coated boiler part that at all regions to be protected, is furnished with a weld deposition coating of alloy material excelling in erosion/corrosion resistance and that even when joined by welding, is free from thermal shock cracking.

[Means for Solving Problems] Super alloy coating (15) is applied over rapid temperature rise region width (C), where thermal shock cracking may occur at a welding operation, at end portions subjected to weld joint including the vicinity thereof. On the other hand, self-fluxing alloy coating (16) is applied on any remaining regions other than the rapid temperature rise region width (C). While over a half proportion of each of the alloy coatings (15, 16) occupied by an Ni-enriched Ni-Cr component, the super alloy coating (15) has the contents of B and Si suppressed to equal or less than 0.1% and equal or less than 0.5%, respectively, and in the self-fluxing alloy coating (16), the content of each of B and Si is in the range of 1 to 5%.